

# *Air Force Scientific Advisory Board*

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*Integrity - Service - Excellence*

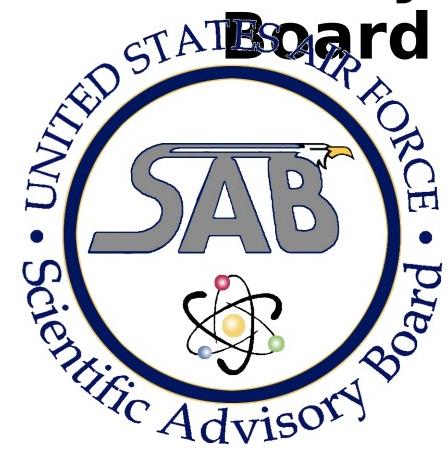
## **SAB Study Selection Overview**

**Dr. Daniel Hastings, Chairman  
USAF Scientific Advisory**

**Board**



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# SAB Charter



- **Provide independent technical advice to the Leadership of the Air Force**
- **Conduct studies assigned by the Secretary and Chief of Staff**
- **Recommend applications of technology to improve Air Force capabilities**
- **Review Air Force science and technology programs**
- **Provide technical advice to Air Force commands and other activities as needed**

***The SAB is a link between the Air Force and the Nation's technical community***



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# *Studies*



***Studies are the principal vehicle for providing technical advice to the Leadership of the Air Force***

- **1 Major Study (“Summer Study”) per year**
  - Formal report and large briefing trail
  - 9 - 12 month effort
  - 20 - 40 members, plus many others as required
- **1 to 2 Ad Hoc Studies per year**
  - Formal report and varied briefing trail
  - 6 - 9 month effort
  - 10 - 20 members, plus others as required
- **1 to 3 “Quick Look” Studies per year**
  - Letter report and few briefings
  - 1 - 3 short meetings
  - Small group



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# Studies



## ■ Science & Technology Quality Review

- **Assess the quality and long term relevance of the AF S&T Program**
- **Reviews half of the Air Force Research Laboratory programs each year**
- **Separate Review Panel for each AFRL Directorate**
- **Each Directorate review about a week in length**
- **Formal briefings to AFRL by Review Panels**
- **Formal briefing to AFRL/CC, AFMC/CC, Chief & Secretary**



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# Recent Studies

FY Summer	Ad Hocs	Quick Look's
04	<ul style="list-style-type: none"><li>• Networking to Enable Coalition Operations</li><li>• Operationalizing Space Launch</li></ul>	<ul style="list-style-type: none"><li>• Human Systems Integration</li></ul>
03	<ul style="list-style-type: none"><li>• Unmanned Aerial Vehicles in Perspective: Effects, Capabilities, and Technologies Study Committee</li><li>• CONOPS and Technology to Support Long-Range Strike Operations <i>Ad Hoc</i> Study Committee</li><li>• Technology for Machine to Machine Integration <i>Ad Hoc</i> Study Committee</li></ul>	



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# ***Current Studies***



## ***Summer Study***

Air Force Operations in Urban Environments

## ***Ad Hoc Studies***

Domain Integration

## ***Quick Look***

Automatic Target Recognition  
System-of-Systems Engineering



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# New Study Selection



## Purpose

- **Select the study topics for the coming year**

## Process

- **Suggestions solicited from Air Force at-large**
- **Evaluation by senior SAB people**
- **Definition of Potential Studies**
- **Recommendation by Steering Committee**
- **Selection and Approval by Chief and Secretary**



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# New Study Selection



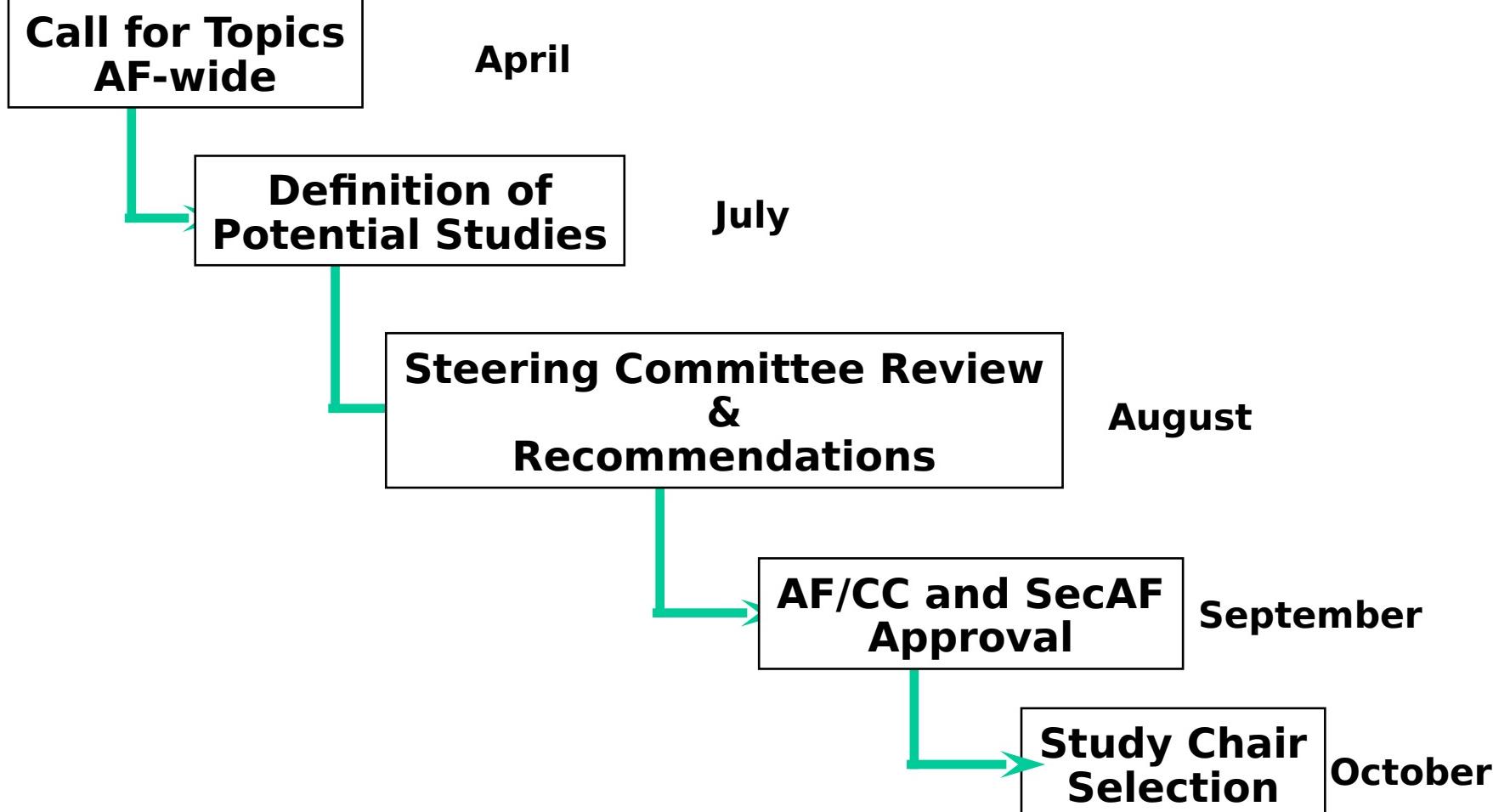
## Factors Considered

- **Desires of the Leadership of the Air Force**
- **Value of the study to the Air Force**
- **Appropriateness for SAB**
  - Results will be of interest to Senior Leadership of the AF
  - Technology is principal focus
  - Timeliness
- **Ability of SAB to conduct the study**
  - Have appropriate expertise in membership
  - Workload allows conduct of study



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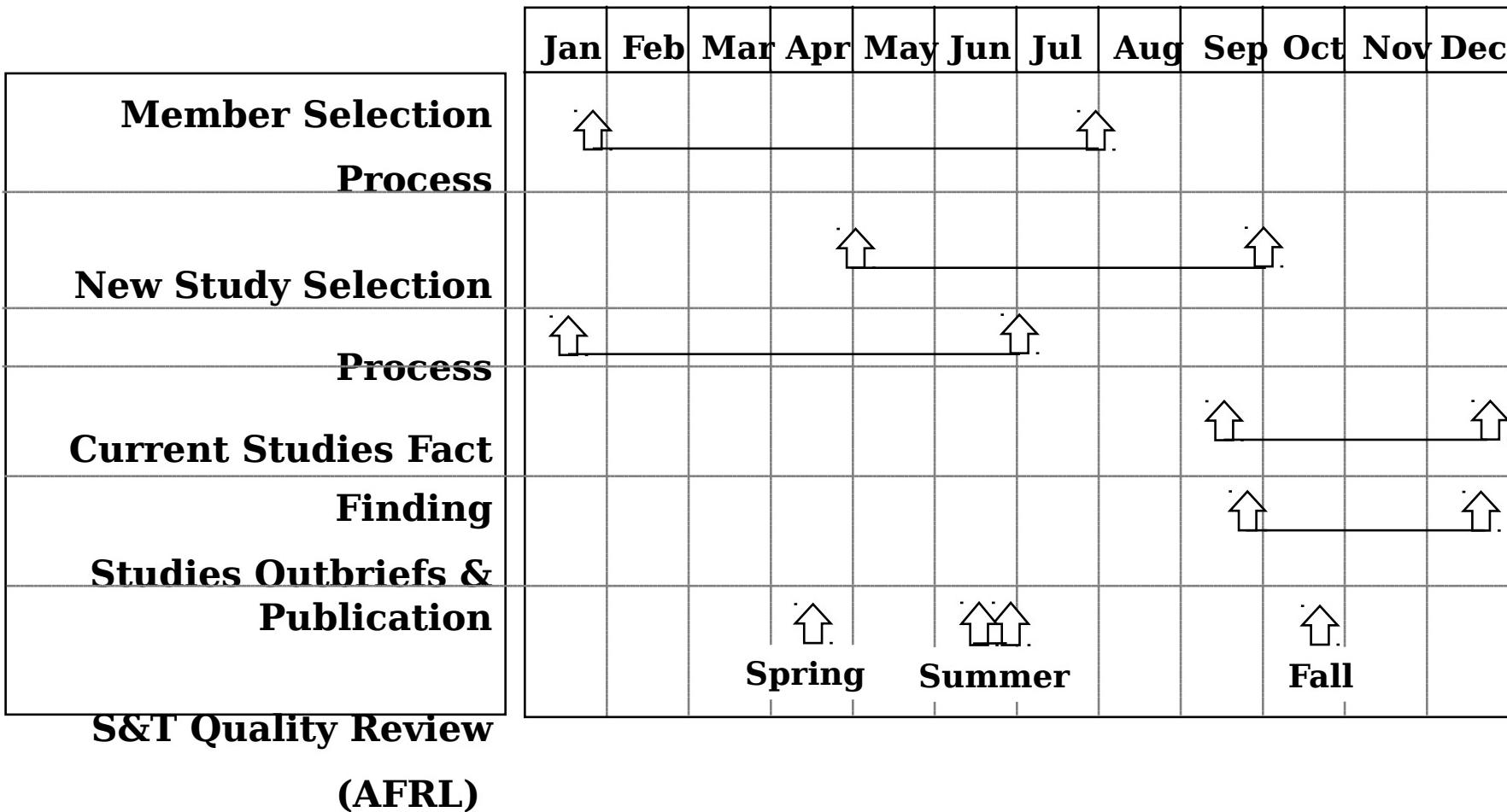
# Study Selection Process





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# Nominal Schedule





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